

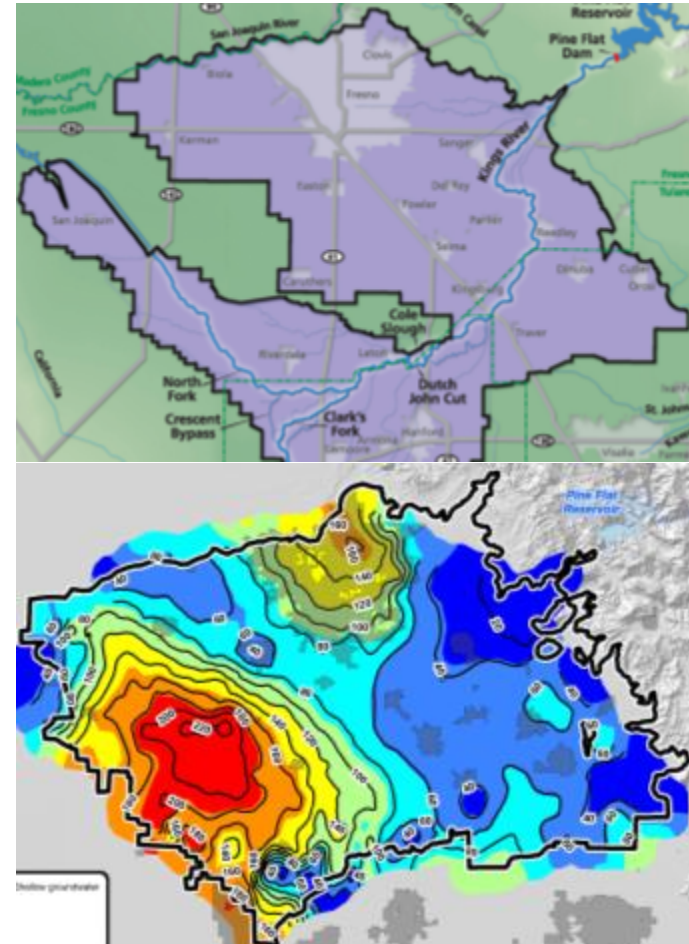
# About KRCD

- Est. 1951
- Special act resources agency w/ broad powers (flood, water, power)
- 1.2 million acre service area
- Overlies majority of Kings and Tulare Lake groundwater subbasins
- Manages regional resources management programs (IRWM, ILRP, CASGEM, etc.)
- Will not be a GSA
- SGMA role is as a shared technical, administrative and coordination resource for area GSA groups



# Sustainability Challenges

- DWR-designated “High Priority” and “Critically Overdrafted” subbasin
- ~135 TAF annual average overdraft
- Hydrogeologically interconnected with 5 adjacent subbasins
- Surface water have's and have-not's
- Dry wells
- Subsidence
- Groundwater quality

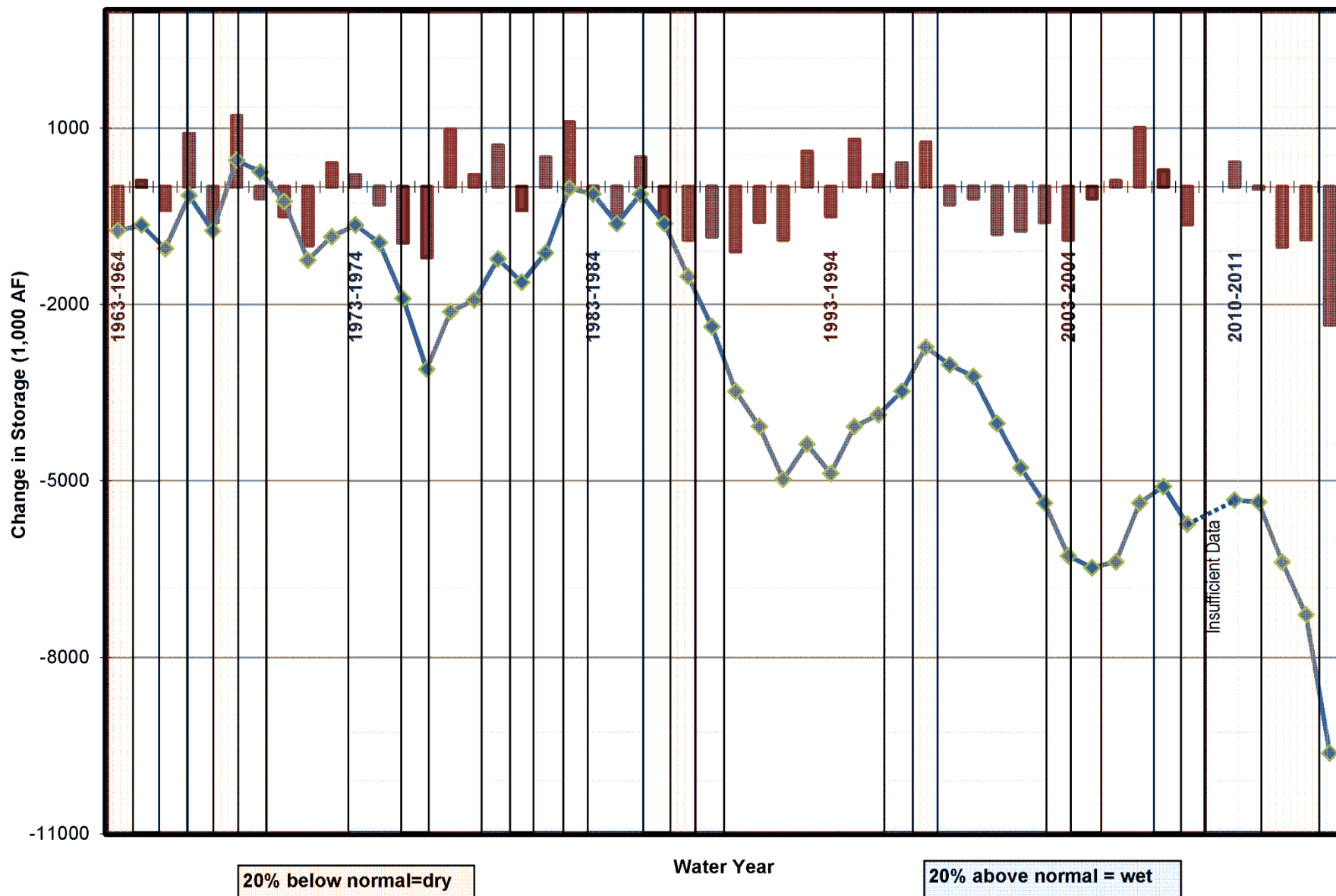


Surface Water Service Area

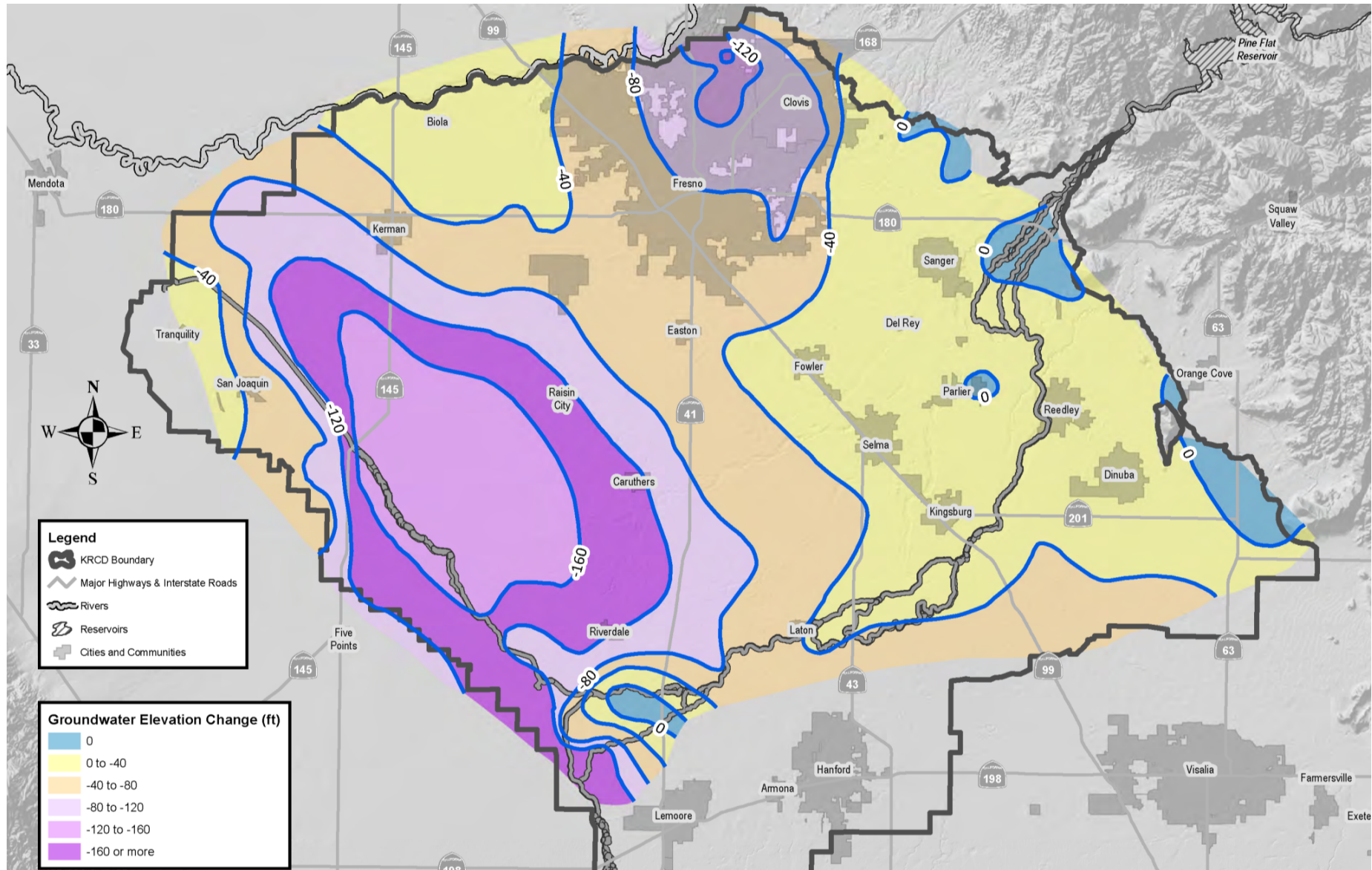
Groundwater Elevations

# Change in Storage in Kings Basin 1964 to 2015

change in groundwater storage      Cumulative change



# Groundwater Elevation Change 1950 - 2013





## **Jameson Pond Recharge Expansion Project**

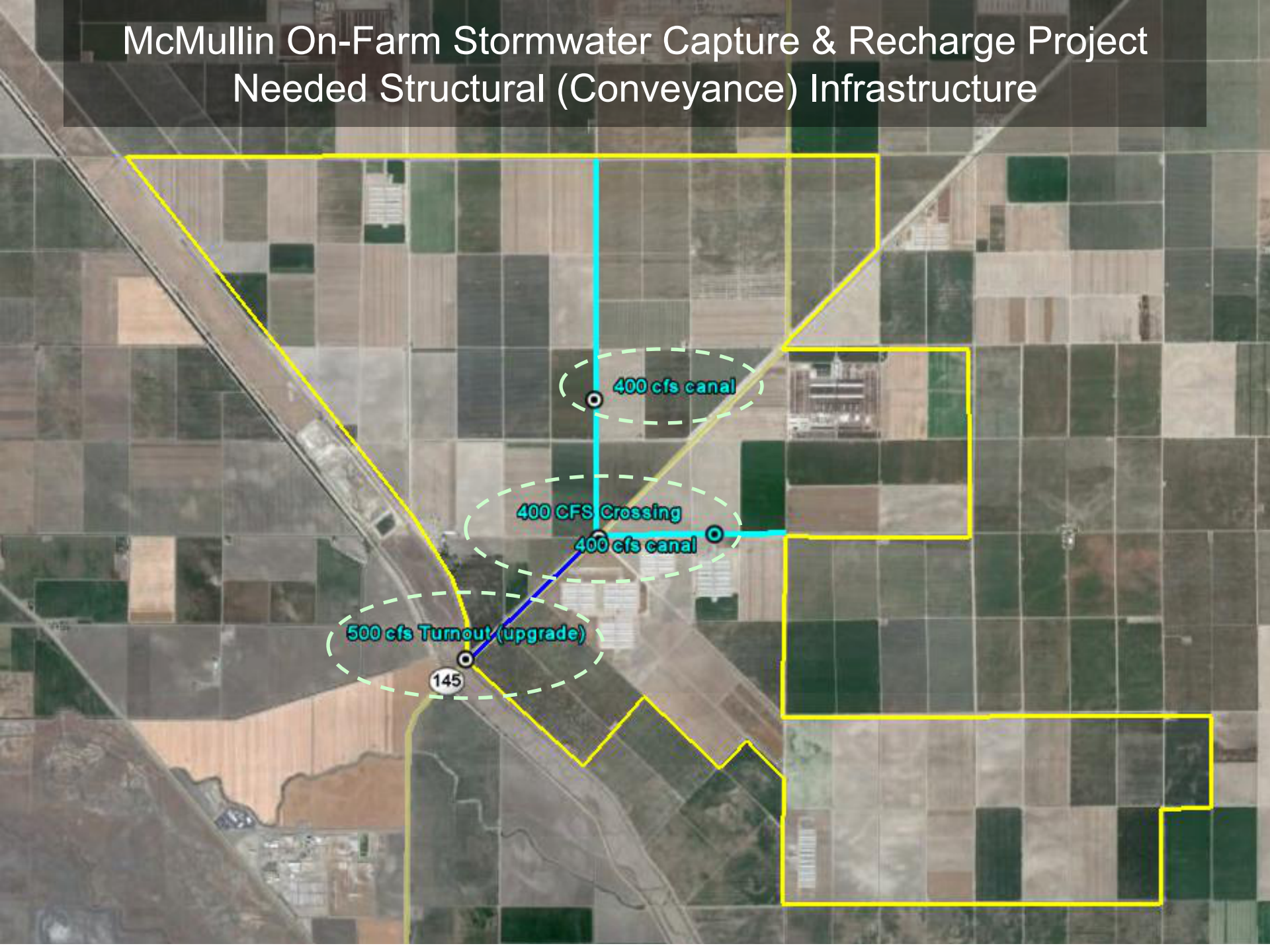
- ❑ Sponsor: Fresno Irrigation District, collaboration with Fresno & Clovis
- ❑ Grant: \$2,416,865 Project Cost: \$4,409,698
- ❑ Expansion of existing 40-acre recharge/banking pond to 100-acres
- ❑ Estimated annual average recharge 4,000+ acre-feet per year



## Traver Groundwater Recharge & Banking Project

- ❑ Sponsor: Alta Irrigation District, collaboration with local small communities
- ❑ Grant/Project cost: \$2,368,805
- ❑ 47-acre facility, extraction wells, monitoring wells, SCADA
- ❑ 2,000 acre-feet / year banked for later surface-water transfer to DACs

# McMullin On-Farm Stormwater Capture & Recharge Project Needed Structural (Conveyance) Infrastructure



# April 1, 2011, McMullin Grade at James Bypass

